

**Docket No. PD-00W114**

**ABSTRACT OF THE DISCLOSURE**

An identification system for identifying objects of interest is disclosed. The system includes an enhancement mechanism for enhancing Raman scattering from a plurality of Raman active molecules (RAMs). An interrogator transmits a signal toward an object of interest and receives a return signal therefrom. The return signal includes a Raman signature, and the interrogator classifies the object based on the Raman signature.

B:\Raytheon\Rayt\IP124US\RAYTP0124US AppV1.doc